

an isolation transformer having two magnetically coupled coils respectively forming a primary winding and a secondary winding;

one of said two coils being formed by at least one insulating substrate having a surface with a planar conductor run thereon;

another of said two coils being formed by a plurality of turns of an insulated wire conductor;

said insulating substrate comprising a multi-layer printed circuit board carrying two electrically separate circuits respectively connected to said primary winding and said secondary winding; and

said insulated wire conductor having insulation which provides a selected level of electrical isolation between said two circuits.

7. An isolation transformer arrangement as claimed in claim 6 wherein said isolation transformer comprises a hollow bobbin mounted on said surface of said printed circuit board, with said plurality of turns of said insulated wire conductor being wound on an exterior of said hollow bobbin, and wherein said printed circuit board has a through-hole therein and wherein said planar conductor run proceeds in coaxial paths around said through-hole, and further comprising a magnetic core element proceeding through said through-hole and said hollow bobbin to magnetically couple said primary and secondary windings.

8. An isolation transformer arrangement as claimed in claim 6 wherein said hollow bobbin with said plurality of turns of said insulated wire conductor thereon is releasably replaceable on said surface of said printed circuit board.

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